

MAR 09 1994



March 8, 1994

Mr. Jason Feingold
State of Vermont
Department of Environmental Conservation
HMMD
103 South Main St.
Waterbury, VT 05671-0404

RE: Whitcomb Garage, VTDEC site #93-1425

Dear Mr. Feingold,

Griffin International Inc. (Griffin) has completed the requested subsurface investigation for this site. Enclosed is Griffin's report detailing the investigation and our findings. Please call if you have any questions regarding the site or this report.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Peter G. Hack', written over a horizontal line.

Peter G. Hack
Engineer

cc: Brent Whitcomb

**REPORT ON THE INVESTIGATION OF
SUBSURFACE PETROLEUM CONTAMINATION**

AT

**OLD WHITCOMB GARAGE
EAST BARRE, VERMONT**

VTDEC SITE # 93-1425

March 3, 1994

**Prepared for:
Brent Whitcomb
East Barre, VT**

**Prepared by:
Griffin International, Inc.
2B Dorset Lane
Williston, VT 05495
(802) 879-7708**

Griffin Project # 6934384

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I. INTRODUCTION

On July 12, 1993, Griffin International, Inc. (Griffin) inspected the removal of two out of service underground petroleum storage tanks (USTs) at the old Whitcomb Garage in East Barre. The two tanks were previously used for gasoline storage prior to 1955, and had not been used since then. One tank was empty and one contained water when excavated in July. During the tank removal, elevated concentrations of Volatile Organic Compounds (VOCs) were detected in the subsurface in the vicinity of these tanks. VOCs in the soils were measured with a Photo-ionization device (PID) which indicated concentrations of 45 parts per million (ppm) to 180 ppm. Griffin prepared a Tank Pull Report per state regulations detailing the removal process.

Due to the detection of elevated contamination levels, the VT Department of Environmental Conservation requested further investigations into the extent and degree of the contamination. This report details Griffin's investigative efforts, based on the approved Work Plan, dated January 25, 1994.

II. SITE DESCRIPTION

This site is located on Route 110, Washington Road, in the downtown area of East Barre. This area consists of a mix of commercial and residential buildings. There is a wooden garage structure on the subject property that is used for storage. The site was formerly a gasoline filling station until about 1955, when the tanks were abandoned. The property was purchased by the Whitcomb family around 1957 and has been used for dry storage since then. No petroleum products have been stored at this property since 1955.

The immediate site is relatively level, and the surrounding topography slopes down to the north at an approximate grade of 10%. Geologic maps of this area indicate a glacial till overburden with underlying undifferentiated granite bedrock. A small stream flows along the southern property line, under Route 110, and then north where it discharges into the Jail Branch Brook about 1000 feet north of the site.

East Barre is served by underground municipal water and sewer services.

III. SITE INVESTIGATION

A. Monitoring Well Installation

On February 8, 1994, Falcon Well Drilling Inc. installed three groundwater monitoring wells under the supervision of a Griffin Engineer. The wells were installed to define the degree and extent of subsurface dissolved petroleum contamination and to document the groundwater elevation and flow direction.

The wells were drilled by air-rotary method and therefore no split spoon soil samples could be retrieved for analysis of soil types. The wells are constructed with a ten foot section of 2" diameter, 0.01" slotted PVC screen extending five feet into the water table. Solid PVC riser extends up to the ground surface. The annulus between the screen section and the borehole is backfilled with a silica sandpack to one foot above the screen and sealed with bentonite to prevent infiltration of surface water. The remainder of the borehole is backfilled with native materials. The top of the well has a PVC cap and is protected by a flush mounted steel access cover. Individual well logs showing the construction details, water level and PID readings are included in Appendix B.

Monitoring well 1 (MW1), was installed adjacent to the former tank pit in the presumed downgradient direction. This well will help determine contamination concentrations near the presumed source area, i.e. the former USTs. The drill advanced through rock and gravel to twenty feet below grade, with some wood debris and fill between four and ten feet. PID readings in drill cuttings from the top four feet of the borehole indicated VOC concentrations of 30 ppm. At a depth of ten feet, PID readings indicated concentrations of 4 ppm. From ten to twenty feet below grade, PID readings were less than 5 ppm.

Monitoring well 2 (MW2), was installed upgradient of the former tank pit next to a small stream at the southern property boundary line. This well was installed to identify any risk that subsurface petroleum contamination may pose to the stream, and identify if contamination is migrating onto the site from another upgradient source. The overburden materials encountered while drilling this well consisted of gravel to the base of the exploration at twenty feet. The well screen was placed at fifteen feet below grade. PID readings of drill cuttings collected from a depth of twelve feet were only 0.8 ppm.

Monitoring well 3 (MW3), was installed at the opposite side of the site in the presumed downgradient direction to help determine if contamination has migrated in this direction. This well was also advanced through coarse gravel to a depth of twenty feet. The well screen was placed at fifteen feet below grade. PID readings of cuttings from eight to eighteen feet indicated VOC concentrations of less than 0.8 ppm.

Also on this date Griffin surveyed the site to prepare a site map and groundwater contour map. The site map shows major site features such as buildings, roads, surface waters and monitoring wells. The top of the monitoring well elevations were calculated and used as a reference for measuring and plotting the groundwater elevations. Site Maps and Groundwater Contour Maps are in Appendix A.

B. Receptor Survey / Risk Assessment

While on site, Griffin conducted a visual survey of the area to locate and identify potential sensitive receptors of subsurface contamination. Griffin also interviewed the site owner for additional information. As previously stated, the town is serviced by both municipal water and sewer. These utilities are not at risk to contamination from this site. Although State records

indicate a supply well in the vicinity, Griffin could not verify the location and believes that it is no longer in use. The small stream on the south side of the property, upgradient of the former tank pit, does not appear to be at risk. The Whitcomb building and adjacent buildings (including the fire house and other commercial space) are all constructed on concrete slabs and do not have basements. One abandoned house located 200 feet downgradient does have a basement, but this building has been unoccupied for some time. No other potential receptors were found during this investigation.

C. Groundwater Sampling and Analysis

On February 17, 1994, Griffin collected groundwater samples from the three new monitoring wells. The samples were analyzed to EPA Method 602, which detects the petroleum compounds benzene, toluene, ethyl benzene, and xylene (BTEX) and methyl-tertiary butyl ether (MTBE). The laboratory analysis of the sample collected from MW1 only detected a concentration of 7.0 parts per billion (ppb) of xylene, well below the EPA Maximum Contaminant Level (MCL) of 10,000 ppb for that compound. No other BTEX or MTBE compounds were detected in this sample. Samples collected from MW2 and MW3 did not contain any BTEX or MTBE. Analytical laboratory results are attached in Appendix C.

The quality assurance and quality control samples indicate that QA/QC was maintained during collection, transportation and analysis of the samples.

D. Groundwater Flow Direction and Gradient

Before sampling, Griffin measured the depth to water in each well to calculate the water table elevation and prepare a groundwater contour map, included in Appendix A. This map indicates the relative water table elevations, flow direction and hydraulic gradient. Groundwater at this site appears to flow to the north with a hydraulic gradient of 1%.

IV. CONCLUSIONS

Based on the site investigation and water quality results, Griffin has reached the following conclusions:

- 1) Subsurface petroleum contamination was detected in soils during the removal of two USTs at this site. The two USTs are the suspected source of the contamination. The USTs have been emptied and out of use since 1955, and were removed from the site in June of 1993.
- 2) Subsequent subsurface investigations detected residual contamination in the vicinity of the former USTs. This concentration was measured within four feet of the surface. Because of the location and concentrations of VOCs in this borehole, the contamination may have been caused by

an unrelated release. However, all detected contamination appears to be concentrated in the vicinity of the tank pit and has not migrated from this area.

3) The groundwater at this site did not contain significant concentrations of BTEX or MTBE when sampled and analyzed on February 17, 1994.

4) There are no potential receptors at risk of contamination from this site.

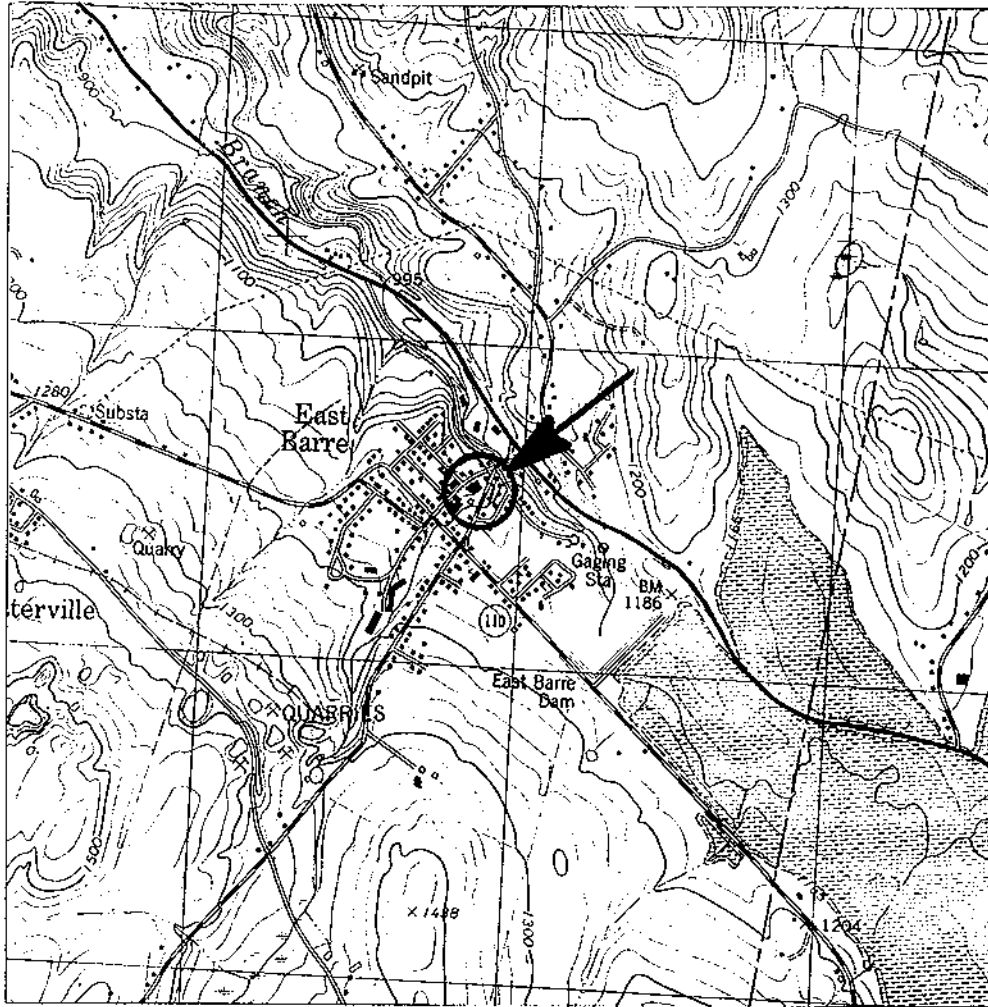
5) The natural processes of dispersion, dilution and biodegradation will continue to reduce the remaining subsurface contamination to non-detect levels over time.

V. RECOMMENDATIONS

Due to the low concentrations of subsurface petroleum contamination detected at this site, and lack of risk to potential sensitive receptors, Griffin does not recommend further investigations at this site.

APPENDIX A

Site Maps Groundwater Contour Map



JOB #: 6934384

SOURCE: USGS EAST BARRE QUADRANGLE



WHITCOMB GARAGE

EAST BARRE,

VERMONT

SITE LOCATION MAP

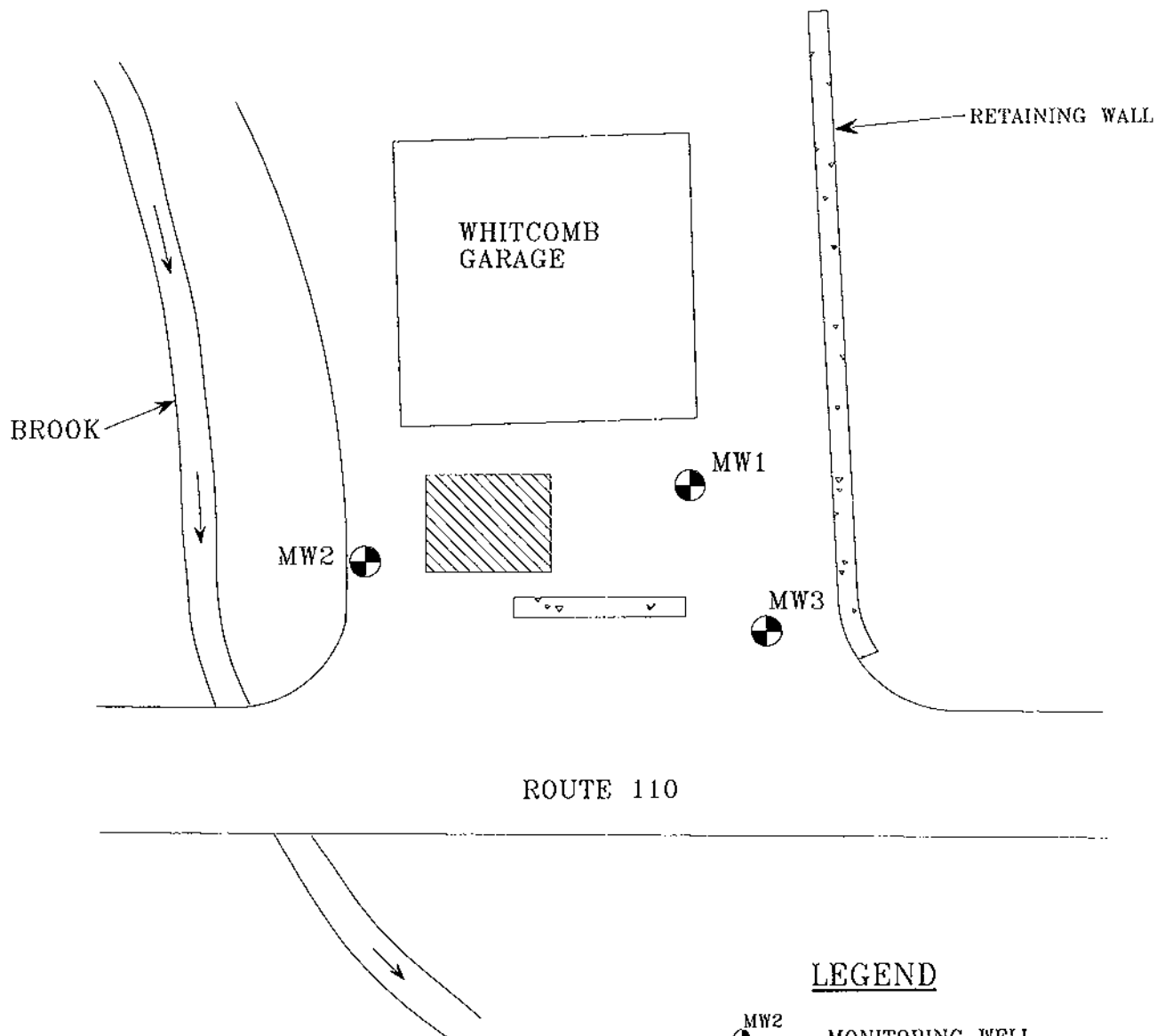
DATE: 2/14/94

DWG.#:1



SCALE: 1:24000

DRN: SB

APP:PH



LEGEND

-  MW2 MONITORING WELL
-  FORMER LOCATION OF UNDERGROUND STORAGE TANKS

JOB #: 6934384



WHITCOMB GARAGE

EAST BARRE,

VERMONT

SITE MAP

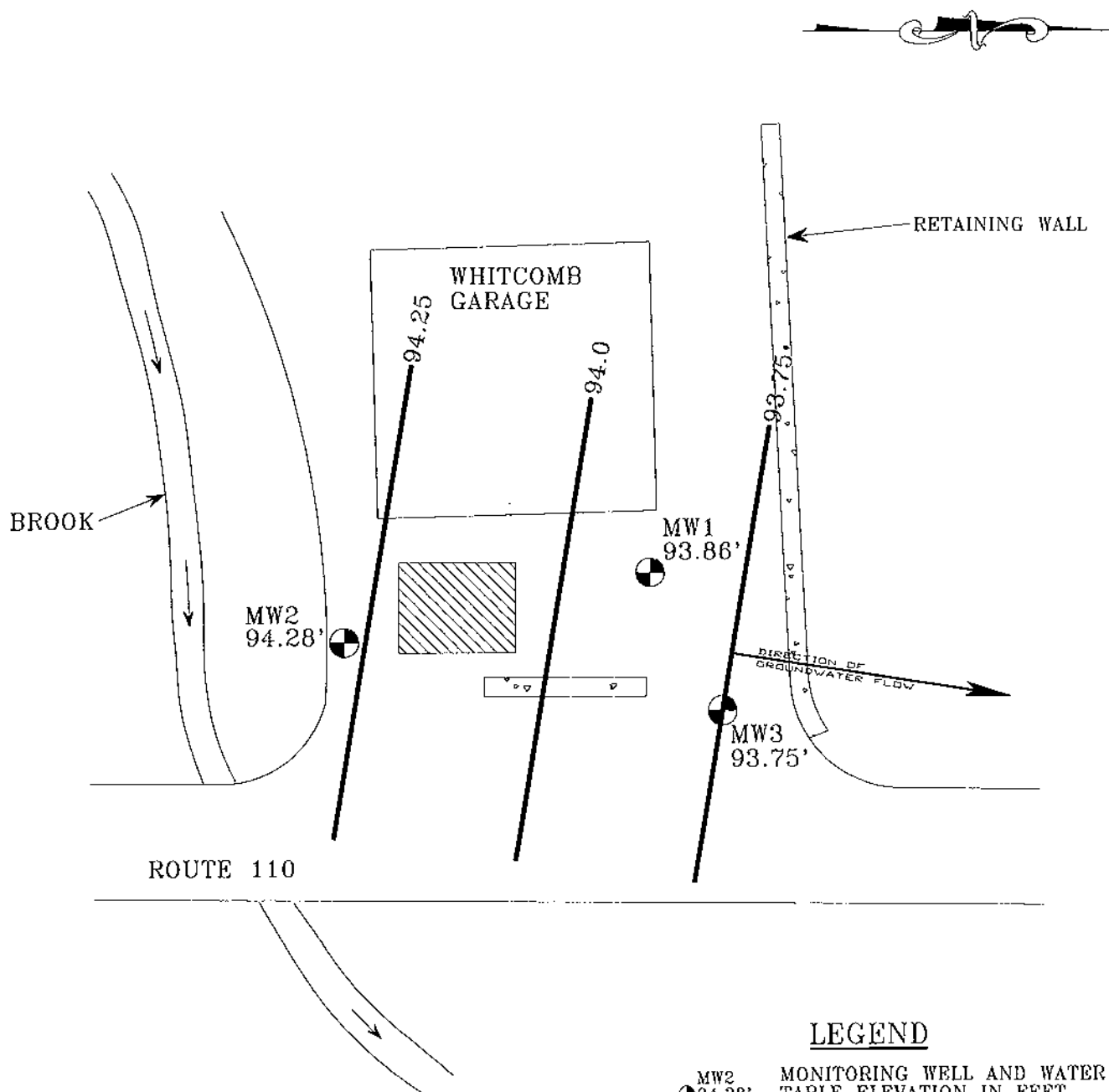
DATE: 2/14/94

DWG.#: 2




SCALE: 1"=25'

DRN: SB

APP: PH



LEGEND

- 
 MW2 94.28' MONITORING WELL AND WATER TABLE ELEVATION IN FEET
- 
 FORMER LOCATION OF UNDERGROUND STORAGE TANKS
- 
 94.0 GROUNDWATER CONTOUR

JOB #: 6934384



WHITCOMB GARAGE

EAST BARRE,

VERMONT

GROUNDWATER CONTOUR MAP

DATE: 2/14/94

DWG.#: 3

SCALE: 1"=25'

DRN.: SB

APP.: PH

LIQUID LEVEL MONITORING DATA

PROJECT #: Whiteamb, #6934384
PROJECT NAME:
LOCATION: E. Barve

DATE: 2/17/94
SAMPLER: P. Hack
INSTRUMENTATION USED: mmc

[illegible]

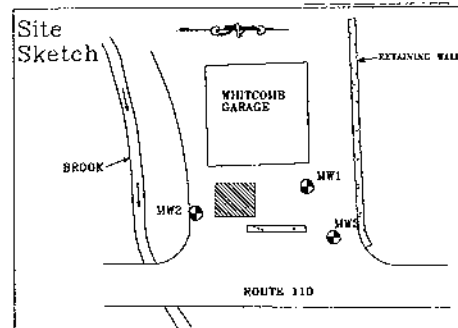
COMMENTS:

APPENDIX B

Well Logs

PROJECT WHITCOMB GARAGE
 LOCATION EAST BARRE, VERMONT
 DATE DRILLED 2/8/94 TOTAL DEPTH OF HOLE 20'
 DIAMETER 8"
 SCREEN DIA. 2" LENGTH 10' SLOT SIZE 0.010"
 CASING DIA. 2" LENGTH 9.5' TYPE sch 40 pvc
 DRILLING CO. FALCON DRILLING METHOD AIR ROTARY
 DRILLER _____ LOG BY P. HACK

WELL NUMBER MW1

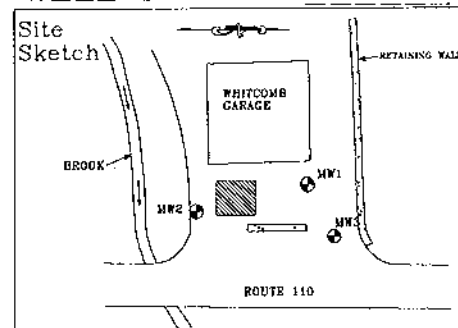


GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX			0
1		LOCKING WELL CAP			1
2		CONCRETE			2
3			0'-4' 30 ppm	Light brown/gray GRAVEL/ROCK mix, silt, moist	3
4		NATIVE BACKFILL			4
5					5
6		WELL RISER	4'-10' 4 ppm	Dark brown sandy SILT, wood debris, moist	6
7					7
8		BENTONITE			8
9					9
10					10
11					11
12				Gravel, wet	12
13		SAND PACK			13
14					14
15				15.0' WATER TABLE	15
16		WELL SCREEN	10'-20' < 5 ppm		16
17					17
18					18
19		BOTTOM CAP			19
20		UNDISTURBED NATIVE SOIL		BASE OF WELL AT 20' END OF EXPLORATION AT 20'	20
21					21
22					22
23					23
24					24
25					25

PROJECT WHITCOMB GARAGE
 LOCATION EAST BARRE, VERMONT
 DATE DRILLED 2/8/94 TOTAL DEPTH OF HOLE 20'
 DIAMETER 8"
 SCREEN DIA. 2" LENGTH 10' SLOT SIZE 0.010"
 CASING DIA. 2" LENGTH 4.5' TYPE sch 40 pvc
 DRILLING CO. FALCON DRILLING METHOD AIR ROTARY
 DRILLER _____ LOG BY P. HACK

WELL NUMBER MW2

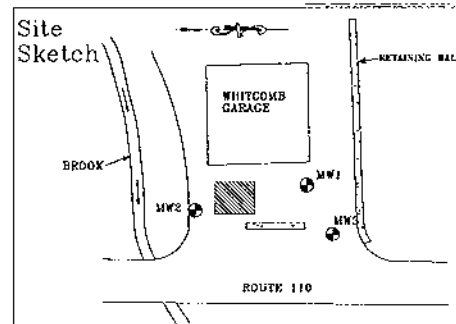


GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0	ROAD BOX	LOCKING WELL CAP			0
1	CONCRETE				1
2	NATIVE BACKFILL			Frost	2
3	BENTONITE				3
4	WELL RISER				4
5					5
6				Small dark brown GRAVEL	6
7					7
8					8
9	SAND PACK				9
10				10.0' WATER TABLE	10
11					11
12	WELL SCREEN		12' 0.8 ppm	Coarse GRAVEL, wet	12
13					13
14	BOTTOM CAP				14
15					15
16					16
17					17
18					18
19					19
20	UNDISTURBED NATIVE SOIL			BASE OF WELL AT 15' END OF EXPLORATION AT 20'	20
21					21
22					22
23					23
24					24
25					25

PROJECT WHITCOMB GARAGE
 LOCATION EAST BARRE, VERMONT
 DATE DRILLED 2/8/94 TOTAL DEPTH OF HOLE 20'
 DIAMETER 8"
 SCREEN DIA. 2" LENGTH 10' SLOT SIZE 0.010"
 CASING DIA. 2" LENGTH 4.5' TYPE sch 40 pvc
 DRILLING CO. FALCON DRILLING METHOD AIR ROTARY
 DRILLER _____ LOG BY P. HACK

WELL NUMBER MW3



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX			0
1		LOCKING WELL CAP			1
2		CONCRETE		Frost	2
3		NATIVE BACKFILL			3
4		BENTONITE			4
5		WELL RISER			5
6				Gravel	6
7					7
8			8'-9' 0.6 ppm	GRAVEL, damp	8
9		SAND PACK			9
10				10.0' WATER TABLE	10
11					11
12		WELL SCREEN	12' 0.8 ppm	Coarse GRAVEL, wet	12
13					13
14		BOTTOM CAP			14
15					15
16					16
17					17
18			18' 0.4 ppm		18
19					19
20		UNDISTURBED NATIVE SOIL		BASE OF WELL AT 15' END OF EXPLORATION AT 20'	20
21					21
22					22
23					23
24					24
25					25

APPENDIX C

Analytical Laboratory Results



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

RECEIVED MAR 01 1994

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994

PROJECT CODE: GIWH1862
REF.#: 56,559 - 56,564

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated samples were preserved with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times. All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method. Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 25, 1994

PROJECT CODE: GIWH1862
REF.#: 56,559
STATION: MW 1
TIME SAMPLED: 10:45
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)¹</u>	<u>Concentration (ug/L)</u>
Benzene	2	ND ²
Chlorobenzene	2	ND
1,2-Dichlorobenzene	2	ND
1,3-Dichlorobenzene	2	ND
1,4-Dichlorobenzene	2	ND
Ethylbenzene	2	ND
Toluene	2	ND
Xylenes	2	7.0
MTBE	20	ND

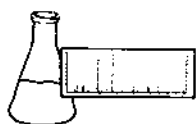
Bromobenzene Surrogate Recovery: 98%

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10

NOTES:

1 Detection limit raised due to high levels of contaminants. Sample run at 50% dilution.

2 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 22, 1994

PROJECT CODE: GIWH1862
REF.#: 56,560
STATION: MW 2
TIME SAMPLED: 10:30
SAMPLER: P. Hack

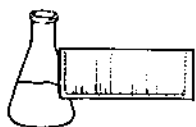
<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 103%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 2

NOTES:

1 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 22, 1994

PROJECT CODE: GIWH1862
REF.#: 56,561
STATION: MW 3
TIME SAMPLED: 11:00
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 108%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

NOTES:

1 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
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(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 22, 1994

PROJECT CODE: GIWH1862
REF.#: 56,562
STATION: Trip Blank
TIME SAMPLED: 8:25
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 108%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 24, 1994

PROJECT CODE: GIWH1862
REF.#: 56,563
STATION: Duplicate
TIME SAMPLED: 10:45
SAMPLER: P. Hack

<u>Parameter</u>	<u>Detection Limit (ug/L)¹</u>	<u>Concentration (ug/L)</u>
Benzene	2	ND ²
Chlorobenzene	2	ND
1,2-Dichlorobenzene	2	ND
1,3-Dichlorobenzene	2	ND
1,4-Dichlorobenzene	2	ND
Ethylbenzene	2	ND
Toluene	2	ND
Xylenes	2	8.5
MTBE	20	ND

Bromobenzene Surrogate Recovery: 108%

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10

NOTES:

1 Detection limit raised due to high levels of contaminants. Sample run at 50% dilution.

2 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 22, 1994

PROJECT CODE: GIWH1862
REF.#: 56,564
STATION: Equip. Blank
TIME SAMPLED: 11:05
SAMPLER: P. Hack

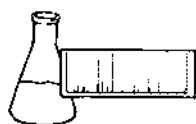
<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 106%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

EPA METHOD 602 LABORATORY REPORT

MATRIX SPIKE AND DUPLICATE LABORATORY CONTROL DATA

CLIENT: Griffin International
PROJECT NAME: Whitcomb
REPORT DATE: February 25, 1994
DATE SAMPLED: February 17, 1994
DATE RECEIVED: February 17, 1994
ANALYSIS DATE: February 22, 1994

PROJECT CODE: GIWH1862
REF.#: 56,560
STATION: MW 2
TIME SAMPLED: 10:30
SAMPLER: P. Hack

<u>Parameter</u>	<u>Sample(ug/L)</u>	<u>Spike(ug/L)</u>	<u>Dup1(ug/L)</u>	<u>Dup2(ug/L)</u>	<u>Avg % Rec</u>
Benzene	ND ¹	10	9.4	9.3	94%
Toluene	ND	10	11.9	11.8	119%
Ethylbenzene	ND	10	9.7	9.6	97%
Xylenes	ND	30	29.1	29.1	97%

NOTES:

1 None detected



ENDYNE, INC.

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY RECORD

09370

Project Name: <i>Whitcomb</i> Site Location: <i>E. Bayre</i>	Reporting Address: <i>2 B Dorset Lane</i>	Billing Address: <i>Same</i>
Endyne Project Number:	Company: <i>Griffin</i> Contact Name/Phone #: <i>P. Hirsch</i>	Sampler Name: <i>P. Hirsch</i> Phone #:

[illegible]

Relinquished by: Signature <i>[Signature]</i>	Received by: Signature <i>[Signature]</i>	Date/Time <i>2/17/99 1:45 PM</i>
Relinquished by: Signature	Received by: Signature	Date/Time

Requested Analyses

[illegible]